

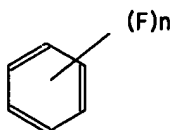
In the Claims:

Please substitute the following claims:

Claim 1 (currently amended):

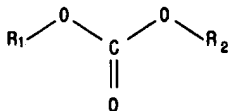
1. A non-aqueous electrolyte composition for lithium secondary cells, comprising a lithium salt dissolved in an organic solvent system composed of a fluorobenzene component (FB) and a carbonic acid ester component (CE), wherein the solvent components are present in a volume percent ratio range from 50 FB :50 CE to ~~5 FB : 95~~ 11.1 FB: 88.9 CE, said fluorobenzene component being one or more compounds represented by the following general formula 1:

[ Formula 1 ]



wherein F represents a fluorine element and n is an integer of 1-6; said carbonic acid ester component being one or more compounds represented by the following general formulas 2 and 3:

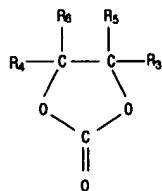
[ Formula 2 ]



DMC, DEC, DPC, MPC, EMC,  
EPC,

wherein R<sub>1</sub> and R<sub>2</sub>, which may be the same or different, each represents an alkyl radical containing 1-4 carbon atoms and

[ Formula 3 ]



EC, PC, BC

wherein R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, which may be the same or different, each represents a hydrogen atom or an alkyl radical containing 1-4 carbon atoms.

Claim 2 (previously amended):

The non-aqueous electrolyte composition as set forth in claim 1, wherein said fluorobenzene component of the general formula 1 is a mixture of fluorobenzene and difluorobenzene.

Claim 3 (previously amended):

The non-aqueous electrolyte composition as set forth in claim 1, wherein said lithium salt is selected from the group consisting of LiPF<sub>6</sub>, LiClO<sub>4</sub>, LiAsF<sub>6</sub>, LiBF<sub>4</sub>, LiCF<sub>3</sub>SO<sub>3</sub> and mixtures thereof and used at a concentration of 0.7-2.0 M.

Claim 4 (previously amended):

The non-aqueous electrolyte composition as set forth in claim 1, wherein said carbonic acid ester component comprises a compound selected from the group consisting of ethylene carbonate, propylene carbonate, butylene carbonate, dimethyl carbonate, diethyl carbonate, dipropyl carbonate, ethylmethyl carbonate, methylpropyl carbonate, and ethylpropyl carbonate.

Claim 5 (currently amended):

5. A The non-aqueous electrolyte composition as set forth in claim 1, wherein said organic solvent system ranges, in the volume ratio of the solvent component of the general formula 1 to the solvent component of the general formula 2, from 2/1 to ~~4/10~~ 1/8.

Claim 6 (currently amended):

6. A The non-aqueous electrolyte composition as set forth in claim 1, wherein said organic solvent system ranges, in the volume ratio of the solvent component of the general formula 1 to the solvent component of the general formula 3, from 2/1 to ~~4/10~~ 1/8.

12.5

7 (new): The non-aqueous electrolyte composition as set forth in claim 1, wherein said solvent components are present in a volume percent ratio range from 50 FB : 50 CE to 12.5 FB: 87.5 CE.

8 (new): The non-aqueous electrolyte composition as set forth in claim 1, wherein said organic solvent system ranges, in the volume ratio of the solvent component of the general formula 1 to the solvent component of the general formula 2, from 2/1 to 1/7.

66 % FB - 12.5 %

9 (new): The non-aqueous electrolyte composition as set forth in claim 1, wherein said organic solvent system ranges, in the volume ratio of the solvent component of the general formula 1 to the solvent component of the general formula 3, from 2/1 to 1/7.

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